



Base by U.S. Geological Survey, 1961
10,000 foot grid based on Nevada
coordinate system, central zone

APPROXIMATE MEAN
DECLINATION, 1965

SCALE 1:24,000
1 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 5 10 KILOMETER
CONTOUR INTERVAL 20 FEET
GRAVITY ANOMALY CONTOUR INTERVAL 1 MGAL
BOUGUER REDUCTION DENSITY 2.67 g/cm³

NEVADA
QUADRANGLE LOCATION

Geology from E. R. Ekren and K. A. Sargent, 1965. Geologic map of the
Skull Mountain quadrangle, Nevada.

This report is preliminary and has
not been reviewed for conformity
with U.S. Geological Survey editorial
standards and stratigraphic nomenclature.

SOURCES OF GRAVITY DATA

Healey, D. L., U.S. Geological Survey, written commun., 1976.
Ponce, D. A., U.S. Geological Survey, 1980.

RESIDUAL GRAVITY ANOMALY MAP OF THE SKULL MOUNTAIN QUADRANGLE, NYE COUNTY, NEVADA

By
David A. Ponce
1980

EXPLANATION

Qa	Qc
Alluvium	Colluvium
Tbk	Tao
Basalt of Kiwi Mesa	Older alluvium
Tsr	
Rhyolite of Shoshone Mountain	
UNCONFORMITY	
Tbs	
Basalt of Skull Mountain	
Tac	
Alluvium and colluvium	

Tpat	
Tpsa	
Tuffs of Ammonia Tanks Tpsa, ash-fall and ash-flow tuff	
Tpr	
Rainier Mesa Member	
Tpc	
Tiva Canyon Member	
Tpb	
Bedded tuff	
Tpt	
Tpta	
Topogah Spring Member Tpta, ash-fall tuff	

Twy
Young andesite

Andesites, dacites, latites, and tuffs of Wahmonie Flat

Twa
Hydrothermally altered andesite, dacite, latite, and tuff

Upper part	Twu	Twuf	Twu ₁
	Twut	Twut	Twut
	Twu	Twub	Twu ₂
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Tsrh
Ts
Breccia flows, rhyolite, and tuffaceous rocks of Mount Salier area
Tsrh, rhyolite
Ts, breccia flows, tuffaceous rocks, and sandstone

Tpa
Tuff of Pavits Spring area

UNCONFORMITY

PMc
Ellema(?) Formation

INTRUSIVE ROCKS

Tg
Granodiorite

Ta
Andesite

Tr
Rhyolite

Tib
Intrusive breccia

● Gravity station

Contact
Dashed where approximately located, gradational, or
inferred; dotted where concealed; queried where
doubtful

Fault, showing dip
Dashed where approximately located or probable;
dotted where concealed; queried where doubtful. Ball
and bar on down-thrown side of fault; arrows show
relative horizontal movement

Anticline
Anticline fold probably resulting from primary
deposition on a topographically high area, and later
collapse on flanks during cycle of normal faulting

Folds
Folds within a lava flow outlined by flow layering; the
folds formed parallel to direction of fluidal move-
ment and probably reflect underlying topography

Strike and dip of beds

Strike and dip of flow layering

Strike of vertical flow layering

Strike and dip of joint

Strike of vertical joint

Vertical shaft

Adit

Prospect pit

Approximate outer edge of zone of
hydrothermal alteration

QUATERNARY

TERTIARY

MISSISSIPPIAN
TO PENNSYLVANIAN

TERTIARY

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TO PENNSYLVANIAN

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